US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED VIDEO DETECTION CAMERA

a, b

VIDEO ZONE DETECTION

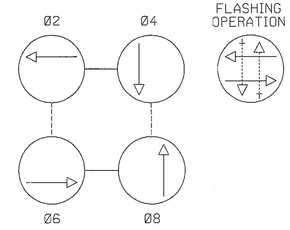
a

EXISTING SIGNALS

1-4: R, Y, G — 12"

5-8: R, Y, G — 8"

NEMA PHASING



FLASHING OPERATION

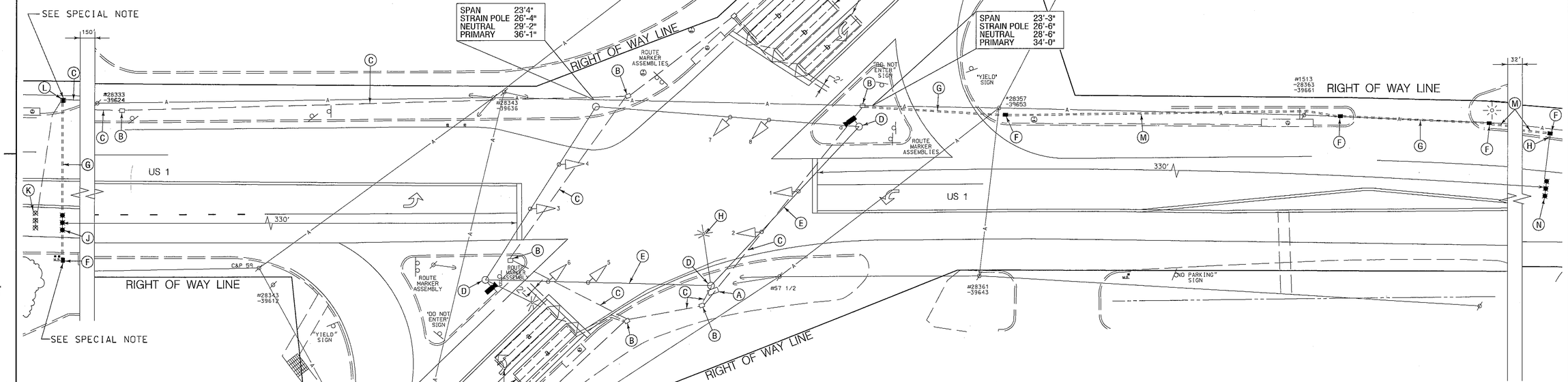
NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

SPECIAL NOTE:

INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.



GEOMETRIC LEGEND

EXISTING

PROPOSED

UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
F	F	FIBER-OPTIC

CONSTRUCTION DETAILS

A. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT DETECTOR RACK AND CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
B. USE EXISTING HANDHOLE.
C. USE EXISTING CONDUIT.
D. USE EXISTING STRAIN POLE AND INSTALL VIDEO DETECTION CAMERA MOUNTED WITHIN 3 FT. OF TOP OF STRAIN POLE.
E. USE EXISTING SPAN WIRE.
F. INSTALL HANDHOLE.
G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
H. INSTALL 1" IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE)
J. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1.000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
K. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
L. REMOVE EXISTING HANDHOLE AND INSTALL NEW HANDHOLE 90 DEGREES TO ROADWAY. HANDHOLE TO BE INSTALLED ON TOP OF EXISTING CONDUIT HEADING NORTH LEAVING 6 IN. PROTRUDING INTO NEW HANDHOLE.
M. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
N. INSTALL MICROLOOP PROBE SET WITH 1.000 FT. LEAD-IN (TO BE PLACED IN THRU LANE ONLY).

WR&A
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801 South Caroline Street, Baltimore, Maryland 21231

BY: sbloss

APPROVALS

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

(C) UPGRADED SIGNAL TO VIDEO DETECTION. ASBUILT. TIMS J631. SHA NO. XX3565168 10/30/2009
BRD WM

(B) REPLACE DETECTION DUE TO GEOMETRICS IMPROVEMENTS TIMS# ELL - 04126/2000
TZ | DJD | DAZ | BRK | TH

(A) SIGNAL MODIFICATION DUE TO GEOMETRIC IMPROVEMENTS 02/05/1999
NML | WM | DJD | DAZ | BRK

PLOTTED: 11-02-2009
FILE: n:\j3669-033\cadd\pSG-P003_J631.dgn

TOD NO:XX356-06
SHA NO:HA378KK53
VL in HARFORD CO.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 at MD 136

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 9-9-76 CONTRACT NO.

DESIGNED BY
DRAWN BY B. KING
CHECKED BY A. BUDNECHUK
F.A.P. NO.

COUNTY Harford
LOGMILE 12000014.14
TIMS NO. J631
TOD NO.

TS NO.TS-1456C | DRAWING TSP- 3 OF 13 | SHEET NO. 3 OF 13